

§ 406.17

Pollutant or pollutant property	Pretreatment standard
TSS	Do.

(a) Process waste water shall not be discharged to a POTW at a flow rate or pollutant mass loading rate which is excessive over any time period during the peak load at a POTW. Excessive discharges are defined as those in which the flow of BOD₅ or total suspended solids (TSS) exceed the respective values of P from the following formula:

$$P = K(Q+R) - S$$

where:

P = maximum allowable peak waste load for the new corn wet milling source to be discharged to the POTW (gallons per one hour for flow and pounds per day for BOD₅ and TSS).

Q = average existing waste load to POTW.

R = average waste load for the new corn wet milling source to be discharged to POTW.

S = existing peak load of POTW.

K = 2. When the ratio of (S/Q) is greater than 1.5, K = 3.

Calculations are to be based on dry weather conditions.

[40 FR 52016, Nov. 7, 1975, as amended at 60 FR 33936, June 29, 1995]

§ 406.17 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology.

The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section, which may be discharged by a point source subject to the provisions of this subpart after application of the best conventional pollutant control technology.

(a) Subject to the provisions in paragraph (b) of this section, the following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section, which may be discharged by a point source subject to the provisions of this subpart after application of the best available technology economically achievable:

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Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
Metric units (kilograms per 1,000 kg of corn)		
BOD ₅	1.08	0.36
TSS	1.62	.54
pH	(¹)	(¹)
English units (pounds per 1,000 stdbu of corn)		
BOD ₅	60	20
TSS	90	30
pH	(¹)	(¹)

¹ Within the range 6.0 to 9.0.

(b) The limitations given in paragraph (a) of this section for BOD₅ and TSS are derived for a point source producing products standard to the corn wet milling industry. For those plants producing modified starches at a rate of at least 15 percent by dry-basis weight of total sweetener and starch products per month for 12 consecutive months, the following limitations should be used to derive an additive adjustment to the discharge allowed by paragraph (a) of this section:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
Metric units (kilograms per 1,000 kg of corn)		
BOD ₅	0.43	0.14
TSS	0.66	.22
English units (pounds per 1,000 stdbu of corn)		
BOD ₅	24	8
TSS	36	12

[42 FR 62372, Dec. 12, 1977. Redesignated and amended at 44 FR 50739, Aug. 29, 1979]

EDITORIAL NOTE: Section 406.17 was indefinitely suspended at 45 FR 45582, July 7, 1980.

Subpart B—Corn Dry Milling Subcategory

§ 406.20 Applicability; description of the corn dry milling subcategory.

(a) The provisions of this subpart are applicable to discharges resulting from

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the process in which shelled corn is washed and subsequently milled by dry processes into such products as corn meal, grits, flour, oil, and animal feed.

(b) The provisions of this subpart do not apply to discharges from subsequent manufacturing operations to produce expanded or extruded feed or feed products.

§ 406.21 Specialized definitions.

For the purpose of this subpart:

(a) Except as provided below, the general definitions, abbreviations and methods of analysis set forth in part 401 of this chapter shall apply to this subpart.

(b) The term *corn* shall mean the shelled corn delivered to a plant before processing.

(c) The term *standard bushel* shall mean a bushel of shelled corn weighing 56 pounds.

(d) The abbreviation *MSBu* shall mean 1000 standard bushels.

§ 406.22 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

Except as provided in §§ 125.30 through 125.32, any existing point source subject to this subpart shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg of corn)	
BOD5	0.21	0.07
TSS	0.18	.06
pH	(¹)	(¹)
	English units (pounds per 1,000 stdbu of corn)	
BOD5	12.0	4.0
TSS	10.5	3.5
pH	(¹)	(¹)

¹ Within the range 6.0 to 9.0.

[39 FR 10513, Mar. 20, 1974, as amended at 60 FR 33936, June 29, 1995]

§ 406.23 [Reserved]

§ 406.24 Pretreatment standards for existing sources.

Any existing source subject to this subpart that introduces process wastewater pollutants into a publicly owned treatment works must comply with 40 CFR part 403. In addition, the following pretreatment standard establishes the quantity or quality of pollutants or pollutant properties controlled by this section which may be discharged to a publicly owned treatment works by a point source subject to the provisions of this subpart.

Pollutant or pollutant property	Pretreatment standard
pH	No limitation.
BOD5	Do.
TSS	Do.

[40 FR 6436, Feb. 11, 1975, as amended at 60 FR 33936, June 29, 1995]

§ 406.25 Standards of performance for new sources.

The following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section, which may be discharged by a new source subject to the provisions of this part:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg of corn)	
BOD5	0.11	0.036
TSS	0.054	0.18
pH	(¹)	(¹)
	English units (pounds per 1,000 stdbu of corn)	
BOD5	6.0	2.0
TSS	3.0	1.0
pH	(¹)	(¹)

¹ Within the range 6.0 to 9.0.

§ 406.26 Pretreatment standards for new sources.

Any new source subject to this subpart that introduces process wastewater pollutants into a publicly owned